

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

(Use several sheets if necessary)

Docket Number (Optional)

01-127

Application Number

10/046, 620

Applicant(s)

ROBERT LIEBERMAN

Filing Date

01/12/2001

Group Art Unit

2877

U.S. PATENT DOCUMENTS

10	RECEIVED
2800	NOV 29 1981
MAIL ROOM	

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

108	<p>"OPTICAL CHARACTERIZATION OF VERY THIN HYDROGENATED AMORPHOUS SILICON FILMS USING SPECTROSCOPIC ELLIPSOMETRY"; by SAITO; HORI; SUZUKI; & IIDA; JAPANESE JOURNAL OF APPLIED PHYSICS; 1991.</p>
109	<p>"HANDBOOK OF OPTICS", by THE OPTICAL SOCIETY OF AMERICA; Vol. 1; pp. 4.23, 4.24; 1995</p>

100

DATE CONSIDERED

3119403

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OTPE
NOV 26 2001
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

01/127

Application Number

10/1046,620

Applicant(s)

ROBERT LIEBERMAN

Filing Date

01/12/2001

Group Art Unit

2877

INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HP	"IMAGING ELLIPSOMETRY REVISITED: DEVELOPMENTS FOR VISUALIZATION OF THIN TRANSPARENT LAYERS ON SILICON SUBSTRATES", by GANG JIN, et al., Rev. Sci. Instrum., pp. 2930-2936, 1996.
HP	"PRINCIPLES OF OPTICS - ELECTROMAGNETIC THEORY OF PROPAGATION, INTERFERENCE AND DIFFRACTION OF LIGHT", by MAX BORN & EMIL WOLF, Sixth Edition, pp. 47-51.
↑	"BIOSSENSORS: AN INTRODUCTION", by BRIAN R. EGGINS, pp. 112-113, 1987.
	"MONITORING SPECIFIC INTERACTION OF LOW MOLECULAR WEIGHT BIOMOLECULES ON OXIDIZED POROUS SILICON USING ELLIPSOMETRY", by D. VAN NOORT; S. WELIN-KLINTSTROM, et al., Biosensors & Bioelectronics Vol. 13, pp. 439-449, 1997.
	"IMAGING ELLIPSOMETRY FOR BIOSENSOR APPLICATIONS", by GANG JIN, et al., TRANSDUCERS '95. EUROSENSORS IX, pp. 509-774, 1995.
	"WAVEGUIDE ELLIPSOMETRY BIOSSENSORS: CONCEPT AND PRELIMINARY ANALYSIS", SPIE Vol. 1648, by JINYU WANG, pp. 44-50, 1992.
	"FLOW-INJECTION ELLIPSOMETRY - AN IN SITU METHOD FOR THE STUDY OF BIOMOLECULAR ADSORPTION AND INTERACTION AT SOLID SURFACES", by ULF JONSSON, et al., Colloids and Surfaces, pp. 333-339, 1985.
	"BIOSSENSORS BASED ON SURFACE CONCENTRATION MEASURING DEVICES - THE CONCEPT OF SURFACE CONCENTRATION", by ULF JONSSON, et al., Progress in Colloid and Polymer Sci. 70, pp. 96-100, 1985.
	"[34] SURFACE IMMOBILIZATION TECHNIQUES IN COMBINATION WITH ELLIPSOMETRY", by ULF JONSSON et al., Methods in Enzymology Vol. 137, pp. 381-1351, 1988.
	"CHARACTERIZATION OF BIOMEMBRANES BY SPECTRAL ELLIPSOMETRY, SURFACE PLASMON RESONANCE AND INTERFEROMETRY WITH REGARD TO BIOSENSOR APPLICATION", by Ch. STRIEBEL, et al., Biosensors & Bioelectronics 9, pp. 139-146, 1994.
	"ELLIPSOMETRIC IMMUNOSENSORS FOR THE DETERMINATION OF Y-INTERFERON AND HUMAN SERUM ALBUMIN", by T.A. RUZGAS, et al., Biosensors & Bioelectronics 7, pp. 305-308, 1992.
HP	"DETERMINATION BY ELLIPSOMETRY OF THE AFFINITY OF MONOCLONAL ANTIBODIES", by HAKEN NYGREN, et al., Journal of Immunological Methods, 92, pp. 219-221, 1986.

EXAMINER

DATE CONSIDERED

3/19/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NOV 26 2003
SC08
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Op.)	01-127	Application Number	101046,620
Applicant(s)	ROBERT LIEBERMAN		
Filing Date	01/12/2001	Group Art Unit	2877

EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
HP	"OPTO-ELECTRONIC IMMUNOSENSORS: A REVIEW OF OPTICAL IMMUNOASSAY AT CONTINUOUS SURFACES", by JOHN F. PLACE, et al., Biosensors 1, pp. 321-353, 1985.
HP	"BIOSSENSORS: FUNDAMENTAL, TECHNOLOGIES AND APPLICATIONS", by A. BRECHT, et al., edited by F. Schu et al., GBF Monographs Vol. 17, pp. 174-178, 1991.
	"KINETICS OF ANTIBODY-BINDING TO SURFACE-IMMOBILIZED ANTIGEN: INFLUENCE OF MASS TRANSPORT ON THE ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA)", by NYGREN & STENBERG, Journal of Colloid and Interface Science, Vol. 107, pp. 560-566, 1985.
	"MONITORING SPECIFIC INTERACTION OF LOW MOLECULAR WEIGHT BIOMOLECULES ON OXIDIZED POROUS SILICON USING ELLIPSOMETRY", by D. VAN NOORT; S. WELIN-KLINTSTROM, et al., Biosensors & Bioelectronics Vol. 13, pp. 439-449, 1997.
	"EFFECTS OF HYDROPHILIZATION AND IMMOBILIZATION ON THE INTERFACIAL BEHAVIOR OF IMMUNOGLOBULINS", by MARTIN MALMSTEN, et al., Journal of Colloid and Interface Science 177, pp. 70-78, 1994.
	"TEMPORAL STUDIES ON THE DEPOSITION OF COMPLEMENT ON HUMAN COLOSTRUM IgA AND SERUM IMMOBILIZED ON METHYLATED SILICON", by PENTTI TENGVALL, et al., Journal of Biomedical Materials Research, Vol. 35, pp. 81-91, 1997.
	"ASSEMBLY OF ANTIBODIES IN LIPID MEMBRANES FOR BIOSENSOR DEVELOPMENT", by HUAIYOU WANG et al., Applied Biochemistry and Biotechnology, pp. 163-181, 1994.
	"WETTING AND DEWETTING OF Si/SiO ₂ -WAFERS BY FREE AND LIPID-MONOLAYER COVERED AQUEOUS SOLUTIONS UNDER CONTROLLED HUMIDITY", by G. ELENDER, et al., Journal de Physique II, pp. 455-479, 1994.
	"COUPLING OF BIOMOLECULES TO SILICON SURFACES FOR USE IN ELLIPSOMETRY AND OTHER RELATED TECHNIQUES", by CARL FREDRIK MANDENIUS, et al., Methods in Enzymology, Vol. 137, pp. 388-394, 1988.
	"PATTERNING OF IMMOBILIZED ANTIBODY LAYERS VIA PHOTOLITHOGRAPHY AND OXYGEN PLASMA EXPOSURE", by A.W. FLOUNDERS, et al., Biosensors and Bioelectronics Vol. 12, pp. 447-456, 1997.
	"A COMPARATIVE STUDY OF PROTEIN IMMOBILIZATION TECHNIQUES FOR OPTICAL IMMUNOSENSORS", by A. AHLUWALIA, et al., Biosensors and Bioelectronics 7, pp. 207-214, 1991.
HP	"UNIVERSAL IMAGING CORPORATION - METAPOLSCOPE"; "METAMORPH IMAGING SYSTEM", by DR. RUDOLF OLDENBOURG, pp. 1-2

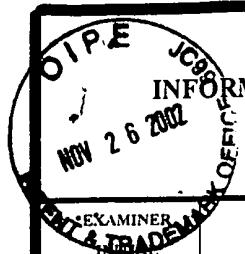
EXAMINER

John

DATE CONSIDERED

3119103

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Opt)

01-127

Application Number

101046,620

Applicant(s)

ROBERT LIEBERMAN

Filing Date

01/12/2001

Group Art Unit

2877

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MP

"A NEW VIEW ON POLARIZATION MICROSCOPY", by RUDOLF OLDENBOURG, *Nature* Vol. 381, pp. 811-812, 27 June 1996.

"STRUCTURAL ANALYSIS WITH QUANTITATIVE BIREFRINGENCE IMAGING", by CLIFFORD C. HOYT, et al., *American Laboratory*, pp. 34-42, July 1999.

"DIRECT VISUALIZATION OF MONOLAYERS AT THE AIR-WATER INTERFACE BY BREWSTER ANGLE MICROSCOPY", by DIRK HONIG, et al., *J. Phys. Chem.*, pp. 4590 & 4592, 1991.

"MICROSCOPE AT THE BREWSTER ANGLE: DIRECT OBSERVATION OF FIRST-ORDER PHASE TRANSITIONS IN MONOLAYERS", by S. HENON, et al., *Rev. Sci. Instrum.* 62, pp. 936-939, 1990.

"A BIOSENSOR CONCEPT BASED ON IMAGING ELLIPSOMETRY FOR VISUALIZATION OF BIOMOLECULAR INTERACTIONS", by GANG JIN, et al., *Analytical Biochemistry* 232, pp. 69-72, 1995.

MP

"COMPLEMENT ACTIVATION BY 3-MERCAPTO-1,2-PROPANEDIOL IMMOBILIZED ON GOLD SURFACES", by PENTTI TENGVALL, et al., *Biomaterials* 17, pp. 1001-1007, 1995.

MP

"SPECTROSCOPIC ELLIPSOMETRY AND BIOLOGY: RECENT DEVELOPMENTS AND CHALLENGES", by H. ARWIN, *Thin Solid Films* 313-314, pp. 764-774, 1998.

RECEIVED
2004-07-29 2003
2800 114 ROOM

EXAMINER

DATE CONSIDERED

3/19/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.